

5. (Previously Amended) The heat sink of claim 1, wherein the sheet is made from a material selected from a group consisting of copper, aluminum, a compound containing copper, a compound containing aluminum, or thermally conductive plastic.
6. (Previously Amended) The heat sink of claim 1, wherein the folded fin structure allows greater than fifty percent of the plurality of laterally placed planar fins to be receptive to the convection medium.
7. (Previously Amended) The heat sink of claim 1, wherein the convection medium is guided by the folded fin structure to flow parallel to each surface of each fin of the plurality of laterally placed planar fins and parallel to the base.
8. (Unchanged) The heat sink of claim 1, wherein the base is solid.
9. (Previously Amended) The heat sink of claim 8, wherein the base is made from a material selected from a group consisting of copper, aluminum, a compound containing copper, a compound containing aluminum, or manufactured diamond.
22. (Twice Amended) A heat sink, comprising:
a thermally conductive sheet creased in an accordion fold to form a plurality of surfaces defining a fin bundle having a top and a bottom, wherein the top of the fin bundle is modified to create a plurality of trimmed openings that extend along a portion of the length of the top of the fin bundle, wherein the top of the fin bundle comprises a plurality of arches, wherein the trimmed openings are formed by removing the plurality of arches along the portion of the length of the top, and wherein more than fifty percent of the plurality of surfaces are receptive to an introduced convection medium;
a fan for introducing the convection medium, the fan attached to the top of the fin bundle;
and
a base attached to the bottom of the fin bundle.